

Application No.: 09/745,751
Amendment Rule 111 dated September 29, 2005
Reply to Office Action dated June 29, 2005
Attorney Docket No.: 3486-018

EXHIBIT C

Eugene R. CASAGRANDE, DDS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	09/745,751	Confirmation No.:	1104
Applicant	:	HOCHMAN, Mark N.		
Filed	:	December 21, 2000		
TC/A.U.	:	3763		
Examiner	:	HAYES, Michael J.		
Docket No.	:	3486-018		
Customer No.	:	22440		

DECLARATION UNDER 37CFR 1.132

I, Eugene R. Casagrande, DDS hereby make the following declaration in support of the above-named application:

1. I reside at 1047 E. Rodda River Pl. Tucson, AZ 85718.
2. I am a licensed dentist and I have been practicing Dentistry for 37 years.
3. I have written and published articles in the field of local anesthesia in dentistry, including articles related to computer controlled local anesthesia and intra-oral injection techniques. I have also reviewed many articles in this field, and I am a frequent lecturer, having made presentations to dentists and dental students all over the world during the last eight years.
4. A copy of my current Curriculum Vitae is attached, which provides more details of my background and expertise in the field of dentistry.

5. One problem in the field of dentistry, more particularly during the injection of a local anesthetic drug into living tissue prior to performing dental procedures, pertains to needle deflection and deviation. As a needle is penetrated through tissues to a pre-selected site for delivering an anesthetic, the tissue frequently deflects it. This action can cause discomfort and pain to the patient. In many instances, a patient may either stiffens up, move involuntary away from the needle, or close his mouth, thereby causing even more discomfort.

6. Dr. Mark Hochman has disclosed to me his invention that solves the problem of needle deflection. More specifically, Dr. Hochman has disclosed to me a method of injecting a drug into a patient through a needle having a lumen which includes the following steps: advancing said needle into the tissue linearly along the longitudinal axis of the needle; simultaneously rotating the needle along its longitudinal axis to reduce deflection of the needle; and finally, injecting the drug.

7. Initially, I had some doubts that this procedure would work. However, I have used this technique hundreds of times on patients, and I have found that it is very effective in reducing needle deflection and, subsequently, in reducing or eliminating patient discomfort and pain.

8. I determined that the procedure was effective as long as I kept the needle rotating to change the orientation of the bevel of the needle in a somewhat continuous manner

during insertion and penetration. I also found that the degree of rotation of the needle, whether it was rotated only in a single direction, or rotated back and forth, did not matter that much. I noticed that it was very easy for me to determine intuitively how much to rotate the needle from the reaction of the patient. More particularly, if I did not rotate the needle enough to prevent it from deflecting or bending, the patient became uncomfortable as indicated by his body language and other indications, including verbal communication from the patient. Because of this immediate voluntary or involuntary feedback from the patient, it was very easy to adjust the procedure to each patient as required.

I hereby declare that all statements made herein of my own knowledge are true; that all statements made on information and belief are believed to be true; that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

A handwritten signature in black ink, appearing to read 'Eugene R. Casagrande', written over a horizontal line.

Eugene R. Casagrande, DDS

Date: 9-6-05

EUGENE R. CASAGRANDE, D.D.S.

1047 E. Rodda River Place
Tucson, AZ 85718

Phone (520) 408-0535
Fax (520) 408-0549

E-mail ERCASA@aol.com

PERSONAL INFORMATION

- Born May 24, 1943, Huntington Park, California; son of Mr. and Mrs. Angelico E. Casagrande of Taft, California.
- Married Rose Ann Deeb, June 1967. Father of four daughters; Angelle, Cristina, Nicole, and Gina.
- B.S. Degree, 1965, Saint Mary's College of California.
- D.D.S. Degree, 1968, University of Southern California, School of Dentistry.
- Clinical Instructor and Assistant Clinical Professor, Department of Oral Diagnosis, U.S.C. School of Dentistry, 1968 - 1970; Lecturer Ethics and State Law Seminar, 1987-1989, 2000 - Present
- Dentistry Practice, Beverly Hills, CA, 1968 - 1970; Los Angeles, CA, 1970 - 1998
- Appointed by Governor Edmond G. Brown, Jr. to the California State Board of Dental Examiners, 1980; elected President, 1983.
- Decorated by the President of the Republic of Italy with the title; "Cavaliere Ufficiale Al Merito Della Repubblica Italiana," 1981
- Elected Fellow of the International College of Dentists (F.I.C.D.), 1985.
- Elected Fellow of the American College of Dentists (F.A.C.D.), 1990.
- Decorated by the President of the Republic of Italy with the title: "Commendatore Al Merito Della Repubblica Italiana, 1993.
- Milestone Scientific, Inc., Director of Professional Relations, 1998 – Present
- Casagrande Consulting Services, Principal, 1978 – Present
- Los Angeles Oral Health Foundation, Executive Director, 2001 – Present

DENTAL ORGANIZATIONS, HONORS, AND ACTIVITIES

Member, American Dental Association, 1968 – Present

- Delegate to House of Delegates, 1990 - 2000
- Member of Reference Committee on Education, 1990
- Alternate Delegate to House of Delegates, 1989
- Council on Access, Prevention, and Interprofessional Relations, Council's Choice Award, 2001

Member, California Dental Association, 1963 - Present

- Member, Board of Trustees, 1993 - 1999
- Member, ad hoc Operations/Structural Organization Audit Plan Committee, 1997 -1999
- Member, Screening Committee, 1997 - 1998
Chairman, Screening Committee, 1998
- Member, Board of Directors, CalDPAC
Secretary, 1998 - Present
Member, Executive Committee, 1998 - Present
- Member, Council on Education and Membership Services, 1985 - 1991
Chairman, Council on Education and Membership Services, 1988 - 1991
- Liaison to State Board of Dental Examiners, 1991 - 1994

Member, Los Angeles Dental Society, 1968 - Present

- President, 1989 - 1990
- President-Elect, 1988 - 1989
- Vice-President, 1985 - 1986
- Treasurer, 1986 – 1987
- Secretary, 1987 - 1988

DENTAL ORGANIZATIONS, HONORS, AND ACTIVITIES, Continued

- Executive Committee, 1984 -1991,1993-1999
- Delegate to CDA House, 1985 - 1994
- Member, Board of Directors, LADS-PAC, 1992 - Present
- Member, Legislative Committee, 1968 -1970, 1974 - 1975, 1984 - 1986
- Member, Peer Review Committee, 1979 - 1980
 - Liaison to Executive Committee, 1984 - 1989
- Chairman, Ethics Committee, 1984 - 1987
 - Liaison to Executive Committee, 1987 - 1989
- Member, Task Force on Auxiliaries, 1991 - Present
- Member, Steering Committee on Recruitment and Retention, 1991 - Present
- Trustee Advisor) American Fund for Dental Health, 1994 - 1998
- Chairman, Los Angeles County Coalition of Dentists, 1989 – 1991
 - Chairman, Fluoridation Committee, 1989- Present
- Member, Dental Health Foundation, 1994 - Present
 - Member, California Task Force on Fluoridation, 1994 - Present
- Fellow, International College of Dentists, F.I.C.D., 1985 - Present
- Fellow, American College of Dentists, F.A.C.D., 1990 - Present
- Fellow, Pierre Fauchard Academy, 1988 - Present
- Member, Beverly Hills Academy of Dentistry, 1968 - 1970
- Member, Wilshire Academy of Dentistry, 1970 - 1988
- Member, American-Italian Dental Association, 1983 - Present
 - Founder and President, 1983 - 1984
 - Executive Committee, 1983- Present
 - Advisor, 1985 - Present
- Member, U.S.C. Dental Alumni Association, 1968 - Present
- Member, U.S.C. School of Dentistry Century Club, 1968 - Present
- Guest Lecturer, U.S.C. School of Dentistry, 1987 - 1989, 2000 – Present
- Clinical Instructor & Assistant Clinical Professor, Department of Oral Diagnosis,
 - U.S.C. School of Dentistry, 1968 - 1970
- Member, Upsilon Chapter, Psi Omega Dental Fraternity, 1964 - Present
- Member, Dental Staff, Saint John's Hospital, Santa Monica, CA 1968 - 1985
- Member, California State Board of Dental Examiners, 1980 - 1984
 - President, 1984
 - Vice President, 1983 - 1984
 - Chairman, Enforcement Committee, 1980 - 1983
 - Chairman, Continuing Education Committee, 1980 - 1983
 - Chairman, Oral Diagnosis Committee, 1980, 1982
 - Chairman, Examiner Selection Committee, 1980, 1982
 - Chairman, Prosthetics Examinations Committee, 1982
- Consultant, California State Board of Dental Examiners, 1984 - Present
- Member, American Association of Dental Examiners, 1980 - 1984
- Member, Western Conference of Dental Examiners and Dental School Deans, 1980 - 1984
- Regional Consultant, California State Denti-Cal Program, 1986 - 1998
- Member, Board of Advisors Academy of International Medical Studies, 1992 – Present
- Executive Director, Los Angeles Dental Health Foundation, 2001 – Present
- Certified Auditor, California Association of Dental Plans, 2002 – Present
- Quality Management Consultant, Peer Review Committee, Western Dental Services, Inc. 1998 – Present
- Program Director, Los Angeles Pediatric Oral Health Access Program, 2003 – Present

CIVIC ORGANIZATIONS AND ACTIVITIES

Volunteer Dentist, Los Angeles Free Clinic, 1999 - Present

Member, National Italian American Foundation, 1977 - Present

- * Vice-President, Southwest Region, 1990 - 1998

- Member, Board of Directors, 1990 - 1998

- Member, Strategic Planning Committee, 1993 - 1998

- Member, Media Institute, 1990 - Present

- Member, Medical/Dental Institute, 1990 - Present

- Member, Council of 1000, 1977 - Present

Member, COMITES (Italian Government Committee of Italians Abroad), 1993 - 1997

Member, Italy America Chamber of Commerce West, 1994 - Present

- * Member, Board of Directors, 1996 - Present

Member, Italian Culture Heritage Foundation, 1980 - Present

- Member, Board of Directors, 1993 - 1996

Member, UNICO National, Italian Education Foundation, 1971 - Present

Member, UNICO National, Santa Monica Chapter, 1969 - 1978; President, 1971 - 1972

Member, UNICO National, San Fernando Valley Chapter, 1979 - Present

Member, Cooley's Anemia Foundation, Inc., New York, NY;

- Board of Directors, 1986 - 1994

Member, Cooley's Anemia Program, Cedar-Sinai Hospital, Los Angeles, CA;

- Board of Directors, 1983 - Present

Member, Federated Italo-Americans of Southern California, 1973 - Present

President of Past Presidents Advisory Council, 1990 - 1992

- President, 1979

- Vice President, 1975 - 1978

- Secretary, 1974

Member, John Rossi Youth Foundation, Advisory Board, 1972- 1984

Member, American Cancer Society, Central Los Angeles Unit,

- Board of Directors, 1972 - 1977;

- Professional Education Committee, 1983 - 1989

Member, Wilshire Rotary Club, Rotary International, 1972 - 1979

Member, Los Angeles Town Hall, 1996 - 1998

Member, Los Angeles World Affairs Council, 1970 - 1998

Member, Los Angeles Comity Museum, Decorative Arts Council, 1970 - 1999

CIVIC HONORS

UNICO National - **Mental Health Distinguished Service Award**, 1973

UNICO National - **Outstanding District Governor Award**, 1974 - 1975

Proclaimed by Mayor Tom Bradley, "**Honorary Mayor of Los Angeles**," Columbus Day, 1979

Los Angeles City Human Relations Commission, **Volunteer Award**, 1979

Knighted by the President of the Republic of Italy with the titles:

- "**Cavaliere Ufficiale Al Merito Delia Repubblica Italiana**," 1981

- "**Commendatore Al Merito Delia Repubblica Italiana**," 1993

Cooley's Anemia Foundation, Inc. **Humanitarian Hourglass Award**, 1987

Federated Italo-Americans of Southern California, **Columbian Award**, Columbus Day, 1989

Los Angeles Dental Society, **Oren and Phyllis Davis Award**, 1997

CIVIC HONORS) Continued

Commendations:

- Los Angeles City Council, 1989
- City of Los Angeles, 1989
- Los Angeles County Board of Supervisors, 1989
- California State Senate Rules Committee, 1989
- California State Senate, 1989